

**TECHNICAL REVIEW OF REGISTRATION # 69112**

**I. INTRODUCTION**

- A.** Registrant: Transwest Minerals, Inc.
- B.** Facility: Pioneer Group Mine
- C.** Facility Type/Description: open-pit mining, milling, and concentrating operation
- D.** Date Application Received: December 6, 2017
- E.** Public Notice Required (Yes/No): Yes

**II. EMISSIONS**

**Table 1: Potential to Emit (in tons per year (tpy))**

Pollutant	Uncontrolled PTE	Controlled PTE	Significance Level
<b>PM<sub>10</sub></b>	44.3	8.3	15
<b>PM<sub>2.5</sub></b>	8.7	3.2	10
<b>NO<sub>x</sub></b>	18.1	18.1	40
<b>CO</b>	7.3	7.3	100
<b>SO<sub>2</sub></b>	0	0	40
<b>VOC</b>	2.7	2.7	40

**III. REGISTRATION GATEKEEPERS**

A registration is required if either of the following gatekeepers is triggered:

- A.** Does the facility have an uncontrolled potential to emit in excess of the permitting exemption thresholds? (R18-2-302.B.4.a) If so, public notice is required.  
  
Yes the uncontrolled PTE for PM<sub>10</sub> and PM<sub>2.5</sub> is above the permitting exemption threshold.
- B.** Is the facility subject to a New Source Performance Standard (NSPS) or a National Emission Standard for Hazardous Air Pollutants (NESHAP) that is not on the exempted list? (R18-2-302.B.4.b and c):

Yes the facility is subject to NSPS Subpart LL.

#### IV. APPLICABLE REGULATIONS

The following regulations are applicable to the facility:

**Table 2: Applicable Regulations**

Unit	Regulation	Discussion
Crushers	NSPS Subpart LL	This regulation is applicable because they are at an open-pit mine, and were manufactured after August 24, 1982.
Screens	NSPS Subpart LL	This regulation is applicable because they are at an open-pit mine, and were manufactured after August 24, 1982.
Conveyors	NSPS Subpart LL	This regulation is applicable because they are at an open-pit mine, and were manufactured after August 24, 1982.
Concentrators/Pumps	NSPS Subpart LL	This regulation is applicable because they are at an open-pit mine, and were manufactured after August 24, 1982.

#### V. NAAQS COMPLIANCE REVIEW

This facility has a controlled PTE lower than three-fourths of the significant level and therefore ADEQ has determined that the facility will not interfere with attainment or maintenance of a National Ambient Air Quality Standard (NAAQS).